

M12 fem. recept. D-cod. rear/RJ45 male 0° shielded

PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 2.5m

Product fulfills requirements according to UN/ECE R118

Ethernet CAT5

Plastic housings with good resistance against chemicals and oils.

Flange female straight - male straight

M12 - RJ45, 4-pole

D-coded

shielded

8-pole partly used

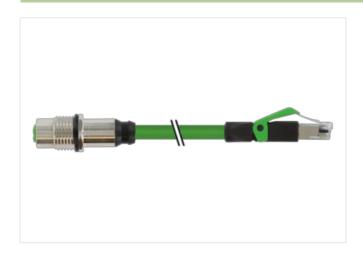
Rear mounting

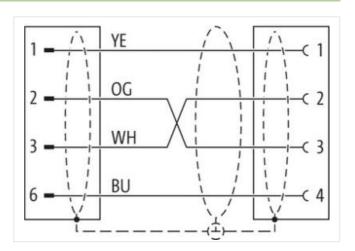
Transmission properties with channel transmission up to 100 m

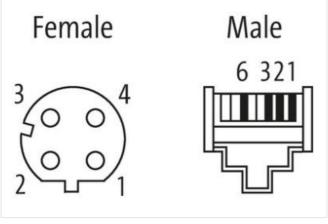
Further cable lengths on request.

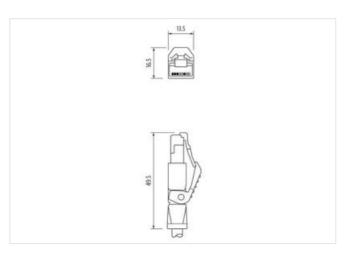
Link to Product

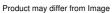
Illustration





















stay connected

Cable length	2,5 m	
Side 1		
Tightening torque	0,6 Nm	
Family construction form	M12	
Thread	M12 x 1	
suitable for corrugated tube (internal Ø)	10 mm	
Coding	D	
Material	PUR	
Degree of protection (EN IEC 60529)	IP67	
Side 2		
Coating head	nickel plated	
Family construction form	RJ45	
Material	Brass	
Degree of protection (EN IEC 60529)	IP20	
Commercial data		
ECLASS-6.0	27061801	
ECLASS-6.1	27279220	
ECLASS-7.0	27440103	
ECLASS-8.0	27440103	
ECLASS-9.0	27440103	
ECLASS-10.1	27440103	
ECLASS-11.1	27440103	
ECLASS-12.0	27440103	
ETIM-5.0	EC002599	
customs tariff number	85444290	
GTIN	4048879877817	
Packaging unit	1	
Electrical data Supply		
Operating voltage DC max.	60 V	
Operating voltage DC max. (UL-listed)	30 V	
Current operating per contact max.	1,5 A	
Industrial communication		
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)	
Data transmission rate max.	100 MBit/s	
Industrial communication Ethernet functionality		
•	•	
duplex	Full duplex	
Installation Connection		
Mounting set	M16 x 1.5	
Family construction form	M12	
Width across flats	SW19	
Device protection Electrical		
Protection NEMA	3, 4, 6P	
Pollution Degree	3	
Rated surge voltage	1 kV	
Material group (IEC 60664-1)	I	
Mechanical data Material data		
Coating locking	nickel plated	
Locking material	Brass	
Mechanical data Mounting data		
Mounting method	inserted, screwed	



stay connected

Environmental characteristics Climatic		
perating temperature min.	-25 °C	
perating temperature max.	85 °C	
dditional condition temperature range	depending on cable quality	
mportant installation notes		
ote on strain relief	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
lote on bending radius	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
Conformity	ondarigotod by onecontrol containing to cool.	
•	DIM EN MOTO O MAN (MAN)	
roduct standard	DIN EN 61076-2-101 (M12)	
Approvals		
L 50E	yes	
nstallation Cable		
able identification	796	
acket Color	green	
ype of Certificate	cURus	
mount stranding	1	
tranding	4 wires around Core filler twisted	
cable shielding (type)	copper braid, tinned	
able shielding (coverage)	85 %	
anding	Fleece, Foil	
iller	yes	
rire arrangement	white, yellow, blue, orange	
able weigth	69,3 g/m	
laterial jacket	PUR	
hore hardness jacket	89 Shore A	
reedom from ingredients (jacket) Duter-diameter (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm	
,	·	
olerance outer diameter (sheath)	±5%	
laterial inner jacket	FRNC	
olor (inner jacket)	natur	
laterial wire insulation	PE .	
mount wires	4	
Outer diameter insulation	1,4 mm	
Outer diameter tolerance core insulation	±5%	
hore hardness wire insulation	65 Shore D	
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free	
mount strands (wire)	7	
iameter of single wires	22 AWG	
conductor crosssection (wire)	22 AWG	
laterial conductor wire	Stranded copper wire, bare	
raversing distance (C-track)	5 m @ 25 °C	
ravel speed (C-track)	3 Mio. @ 25 °C	
ravel speed (C-track)	3,3 m/s @ 25 °C	
ominal voltage AC max.	300 V	
urrent load capacity (standard)	to DIN VDE 0298-4	
urrent load capacity min. wire	4,8 A	
haracteristic impedance	100 Ω ± 15 % @ 100 MHz	
lectrical resistance line constant wire	55 Ω/km @ 20 °C	
C withstand voltage (wire - wire)	2 kV @ 60 s	
lectrical capacity line constant (wire - wire)	50000 pF/km	
ower frequency withstand voltage (wire -	2 kV @ 60 s	



AC withstand voltage (wire - shield)	2 kV @ 60 s
Loop resistance	5000 MΩ × km
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	IEC 60332-2-2 UL 1581 § 1090 UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m